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UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
Plant Pest Control Branch
Washington 25, D. C.



May 24, 1954

3-(p-chlorophenyl)-1,1-dimethylurea

The following actions have been taken by this Section concerning certain herbicide formulations that may be of interest to you. This information, as you know, is not to be made public as we do not want our actions to be interpreted as a recommendation for the products.

The E. I. du Pont de Nemours & Company, Inc., submitted the experimental data on which our acceptances were based. Prior to our acceptance, appropriate consultation relative to performance was had with the Weed Investigation Section, Agricultural Research Service, of this Department. We also consulted with the Food and Drug Administration relative to spray residues on crops. "Telvar W" and "Karmex W" are new trade names for the formulation originally registered and distributed under the trade name "80% CMU Weed Killer" by the E. I. du Pont de Nemours & Company, Inc. The trade name "Telvar W" has been designated for use with formulations intended for use only in industrial areas while the trade name "Karmex W" has been designated for formulations intended for use on agricultural crops.

The following form of ingredient statement has been accepted:

ACTIVE INGREDIENT

3-(p-chlorophenyl)-1,1-dimethylurea

INERT INGREDIENTS

_____%
_____%

The correct percentages by weight of the ingredients present should be given in the blank spaces.

A wettable powder formulation containing as the active ingredient 80% of 3-(p-chlorophenyl)-1,1-dimethylurea has been accepted for general weed control use as a spray in industrial areas under the trade name "Telvar W." It is generally applied as a water spray at the rate of 40 to 60 lbs. of the formulation per acre to non-cropland areas such as railroad yards and sidings, trestle areas and right of ways, petroleum

tank farms, oil wells, refineries, pipelands, along highways, lumber yards, sawmill areas, along power lines, around industrial buildings and other similar areas. One application will generally cause the area to be unproductive for about one season.

A wettable powder formulation (Karmex W) containing as the active ingredient 80% of 3-(p-chlorophenyl)-1,1-dimethylurea has been accepted for use as a selective herbicide in sugar cane, pineapple and asparagus. It has also been accepted as a general herbicide to control weeds around barns, silos, grain storage, machinery sheds, and in irrigation and drainage ditches. Directions for use along the following lines have been accepted:

Selective weed control on croplands

Sugar Cane and pineapple -- Apply as a pre-emergence blanket spray as soon as possible after the field is prepared and planted for the control of weed seedlings such as crabgrass, foxtail, Johnson grass, pigweed, purslane and Spanish needle. Use 2 to 6 lbs. of the formulation in sufficient water per acre as a spray. For band treatment apply 2/3 to 2 lbs. of the formulation in sufficient water per acre.

Asparagus -- Apply 1 to 4 lbs. of the formulation for control of weed seedlings such as pigweed, ragweed, lamb's-quarter, crabgrass and foxtail. Application should be made as a pre-emergence blanket spray (1 to 4 weeks before cutting) and again as soon as possible following completion of harvest. Do not apply as a pre-emergence treatment to seedling asparagus since severe injury may result.

General weed control

The formulation may be applied for general weed control at any time of the year provided adequate moisture is supplied either by rainfall or artificial means. Best results are obtained if application is made during seasons likely to have rainfall and shortly before plant growth begins. If dense growth is present, remove tops and spray the ground.

Drainage ditches -- Apply the formulation at the rate of 1 to 2 lbs. per 1,000 square feet during non-crop season and when ditch is not in use. Do not treat any ditch areas into which roots of trees or other desirable plants may extend.

Spot treatment -- To control deep-rooted perennial weeds such as bindweed, Canada thistle and Johnson grass, spot treat with the formulation at the rate of 1.5 to 2 lbs. per 1,000 square feet where loss of soil productivity is justified for an extended period.

Precautionary labeling information along the following lines has been accepted. The labeling cautions against application on or near valuable trees or other plants or on areas into which their roots may extend or near locations from which the formulation may be washed or moved into contact with roots of valuable plants. No application should be made on lawns, walks, driveways, tennis courts or similar areas. The label cautions against contamination of domestic or irrigation waters. The acceptable directions also recommend that local, State or Federal investigators be consulted concerning suggestions for use under local conditions.

The labeling also bears the following:

CAUTION: May cause irritation of eyes, nose, throat, and skin. Avoid breathing dust or spray mist. Avoid contact with skin, eyes and clothing.

Very truly yours,

A handwritten signature in dark ink, appearing to read "W. G. Reed". The signature is fluid and cursive, with the first name "W." and last name "Reed" clearly distinguishable.

W. G. Reed, Head
Pesticide Regulation Section

